2003
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates

where available

Special Locality Report
248

Town of Keysville

Prepared By

Virginia Department of Transportation
Mobility Management Division

In Cooperation With

U.S. Department of Transportation
Federal Highway Administration

Virginia Department of Transportation
Mobility Management Division
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management's Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

Publication Notes

Parallel Roads

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a "Combined Traffic Estimates for Parallel Roadways on this Route" or "Combined Traffic" identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate "NA" for not available.

VDOT's traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating "NA" for not available. It is the intention of the VDOT's Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate "NA" for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

Route: The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

Length: Length of the traffic segment in miles.

AADT: Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

4Tire: Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

Bus: Percentage of the traffic volume made up of busses.

2Axle Truck: Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

3+Axle Truck: Percentage of the traffic volume made up of single unit trucks with three or more axles.

1Trail Truck: Percentage of the traffic volume made up of units with a single trailer.

2Trail Truck: Percentage of the traffic volume made up of units with more than one trailer.

QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

K Factor: The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

QK: Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

Dir Factor: The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

AAWDT: Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

QW: Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

Year: Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

Route Shield Legend

Route Systems

Interstate Route

Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.

US Route

Virginia State Route

Secondary Route

Special Routes

Bus - Business Route
Bypas - Bypass Route
Truck - Truck Route

ALT - Alternate Route
Wve - Wve Route connector

P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.

The VDOT Maintainenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

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Town of Keysville

Route	Length	AADT	QA	4Tire	Bus	Truck 2Axle	Truck 3+Axle	Truck 1Trail	Truck 2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Keysville																
Bus 15	0.73	**1500**	**N**	91%	1%	1%	1%	6%	0%	N	0.094	N	0.507	1500	N	2003
From: CL Keysville To: S SR 40																
Bus 15	0.56	**5700**	**F**	91%	1%	1%	1%	6%	0%	F	0.087	F	0.519	5800	F	2003
From: S SR 40 To: N SR 40																
Bus 15	0.37	**4100**	**F**	91%	1%	1%	1%	6%	0%	F	0.089	F	0.501	4200	F	2003
From: N SR 40 To: CL Keysville																
40	0.54	**2200**	**N**	83%	0%	1%	1%	15%	0%	N	0.09	N	0.548	2200	N	2003
From: WCL Keysville To: W US 15 Bus																
40 Bus 15	0.56	**5700**	**F**	91%	1%	1%	1%	6%	0%	F	0.087	F	0.519	5800	F	2003
From: W US 15 Bus To: E US 15 BUS																
40	0.40	**3400**	**F**	90%	0%	4%	1%	5%	0%	F	0.086	F	0.516	3400	F	2003
From: E US 15 BUS To: ECL Keysville																
59	0.58	**2000**	**N**	93%	1%	2%	1%	2%	0%	N	0.1	N	0.550	2000	N	2003
From: WCL Keysville To: SR 40 Keysville																
Bus 360 Bus 15	0.73	**1500**	**N**	91%	1%	1%	1%	6%	0%	N	0.094	N	0.507	1500	N	2003
From: CL Keysville To: S SR 40																
Bus 360 Bus 15	0.56	**5700**	**F**	91%	1%	1%	1%	6%	0%	F	0.087	F	0.519	5800	F	2003
From: S SR 40 To: N SR 40																
Bus 360 Bus 15	0.37	**4100**	**F**	91%	1%	1%	1%	6%	0%	F	0.089	F	0.501	4200	F	2003
From: N SR 40 To: CL Keysville																
629 (19)	0.24	**190**	**N**								NA			NA		06/10/2003
From: SCL Keysville To: US 15 BUS NORTH																
688 (19)	0.07	**270**	**R**								NA			NA		05/20/2003
From: WCL Keysville To: SR 40																
712 (19)	1.02	**230**	**R**								NA			NA		06/10/2003
From: US 15 BUS To: NCL Keysville																
714 (19)	0.10	**370**	**R**								NA			NA		06/10/2003
From: 19-712 Horseshoe Bend Road To: 19-716																
714 (19)	0.02	**290**	**R**								NA			NA		06/10/2003
From: 19-716 To: Dead End																
715 (19)	0.06	**10**	**R**								NA			NA		05/20/2003
From: Dead End To: 19-757																
715 (19)	0.07	**690**	**R**								NA			NA		06/20/2000
From: 19-757 To: US 15 BUS																
716 (19)	0.35	**440**	**R**								NA			NA		10/26/2000
From: 19-714 To: 19-712 Horseshoe Bend Road																
716 (19)	0.20	**230**	**R**								NA			NA		10/26/2000
From: 19-712 Horseshoe Bend Road To: Dead End																
718 (19)	0.08	**690**	**R**								NA			NA		10/23/2000
From: US 15 BUS To: 19-712 Horseshoe Bend Road																

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Town of Keysville																
722 (19)	0.07	**180**	**R**	From: Dead End							NA			NA		06/20/2000
				To: 19-757												
722 (19)	0.05	**820**	**R**	From:							NA			NA		06/20/2000
				To: US 15 BUS												
731 (19)	0.07	**100**	**F**	From: 19-757	91%	2%	1%	1%	5%	0%	C	0.168	F	0.611	100	F	2003
				To: US 15 BUS; SR 40												
735 (19)	0.08	**80**	**R**	From: US 15 BUS							NA			NA		06/10/2003
				To: 19-789												
735 (19)	0.02	**9**	**R**	From:							NA			NA		06/10/2003
				To: Dead End												
739 (19)	0.12	**200**	**R**	From: SR 59							NA			NA		10/30/2000
				To: 19-765												
757 (19)	0.03	**300**	**R**	From: 19-765							NA			NA		05/20/2003
				To: 19-772 EAST												
757 (19)	0.42	**380**	**F**	From: 19-772 WEST	97%	1%	2%	1%	0%	0%	C	0.107	F	0.524	390	F	2003
				To: 19-731												
757 (19)	0.14	**380**	**R**	From:							NA			NA		05/20/2003
				To: 19-722												
758 (19)	0.11	**40**	**F**	From: Dead End	98%	1%	1%	0%	0%	0%	F	0.158	F	0.667	40	F	2003
				To: 19-757												
758 (19)	0.09	**160**	**F**	From:	98%	1%	1%	0%	0%	0%	C	0.106	F	0.579	160	F	2003
				To: US 15 BUS												
758 (19)	0.09	**410**	**R**	From:							NA			NA		05/20/2003
				To: 19-712 Horseshoe Bend Road												
765 (19)	0.05	**250**	**R**	From: 19-795							NA			NA		10/26/2000
				To: SR 59												
765 (19)	0.15	**130**	**F**	From:							0.158	F	0.585	130	F	2003
				To: 19-757												
765 (19)	0.15	**160**	**F**	From:	98%	0%	1%	0%	0%	0%	C	0.158	F	0.542	160	F	2003
				To: US 15 BUS; SR 40												
769 (19)	0.23	**90**	**R**	From: US 15 BUS							NA			NA		07/17/2000
				To: Dead End												
771 (19)	0.10	**80**	**R**	From: 19-716							NA			NA		10/26/2000
				To: 19-796												
771 (19)	0.10	**20**	**R**	From:							NA			NA		10/26/2000
				To: Dead End												
772 (19)	0.38	**240**	**N**	From: SCL Keysville	95%	0%	3%	1%	1%	0%	N	0.134	N	0.529	240	N	2003
				To: 19-757 WEST												
772 (19)	0.10	**650**	**F**	From:	95%	0%	3%	1%	1%	0%	C	0.089	F	0.548	660	F	2003
				To: US 15 BUS												
773 (19)	0.05	**100**	**R**	From: 19-774							NA			NA		05/20/2003
				To: SR 59												

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Town of Keysville																
774 19	0.16	**30**	**R**	From: 19-826 To: 19-773							NA			NA		05/20/2003
776 19	0.04	**230**	**R**	From: SR 59 To: 19-772							NA			NA		10/26/2000
781 19	0.09	**20**	**R**	From: Dead End To: SR 40							NA			NA		06/10/2003
787 19	0.09	**130**	**R**	From: 19-716 To: 19-796							NA			NA		10/26/2000
787 19	0.05	**2**	**R**	From: Dead End To: Dead End							NA			NA		06/10/2003
789 19	0.06	**90**	**R**	From: Dead End To: 19-735							NA			NA		06/10/2003
795 19	0.08	**60**	**R**	From: Dead End To: 19-765							NA			NA		05/20/2003
796 19	0.08	**310**	**R**	From: US 15 BUS To: 19-787							NA			NA		06/16/2003
796 19	0.12	**50**	**R**	From: To: 19-771							NA			NA		06/16/2003
823 19	0.10	**70**	**R**	From: US 15 BUS To: 19-824							NA			NA		06/10/2003
824 19	0.15	**20**	**R**	From: Dead End To: 19-823							NA			NA		06/10/2003
825 19	0.35	**30**	**R**	From: 19-826 To: SR 59							NA			NA		05/20/2003
826 19	0.10	**40**	**R**	From: WCL Keysville To: SR 59							NA			NA		05/20/2003